

STN Columbus

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
 NEWS 2 "Ask CAS" for self-help around the clock
 NEWS 3 JAN 17 Pre-1988 INPI data added to MARPAT
 NEWS 4 FEB 21 STN AnaVist, Version 1.1, lets you share your STN AnaVist
 visualization results
 NEWS 5 FEB 22 The IPC thesaurus added to additional patent databases on STN
 NEWS 6 FEB 22 Updates in EPFULL; IPC 8 enhancements added
 NEWS 7 FEB 27 New STN AnaVist pricing effective March 1, 2006
 NEWS 8 MAR 03 Updates in PATDPA; addition of IPC 8 data without attributes
 NEWS 9 MAR 22 EMBASE is now updated on a daily basis
 NEWS 10 APR 03 New IPC 8 fields and IPC thesaurus added to PATDPAFULL
 NEWS 11 APR 03 Bibliographic data updates resume; new IPC 8 fields and IPC
 thesaurus added in PCTFULL
 NEWS 12 APR 04 STN AnaVist \$500 visualization usage credit offered
 NEWS 13 APR 12 LINSPEC, learning database for INSPEC, reloaded and enhanced
 NEWS 14 APR 12 Improved structure highlighting in FQHIT and QHIT display
 in MARPAT
 NEWS 15 APR 12 Derwent World Patents Index to be reloaded and enhanced during
 second quarter; strategies may be affected
 NEWS 16 MAY 10 CA/CAPLUS enhanced with 1900-1906 U.S. patent records
 NEWS 17 MAY 11 KOREAPAT updates resume
 NEWS 18 MAY 19 Derwent World Patents Index to be reloaded and enhanced
 NEWS 19 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAPLUS and
 USPATFULL/USPAT2
 NEWS 20 MAY 30 The F-Term thesaurus is now available in CA/CAPLUS

 NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,
 CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
 AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
 V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT
<http://download.cas.org/express/v8.0-Discover/>

 NEWS HOURS STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN Welcome Banner and News Items
 NEWS IPC8 For general information regarding STN implementation of IPC 8
 NEWS X25 X.25 communication option no longer available after June 2006

Enter NEWS followed by the item number or name to see news on that
 specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 11:21:34 ON 02 JUN 2006

=> fil reg; e polyester/pct

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.63	0.63

FILE 'REGISTRY' ENTERED AT 11:23:11 ON 02 JUN 2006

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STRUCTURE FILE UPDATES: 1 JUN 2006 HIGHEST RN 886490-27-3
DICTIONARY FILE UPDATES: 1 JUN 2006 HIGHEST RN 886490-27-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

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*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
*****
```

Structure search iteration limits have been increased. See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

E1	1272	POLYCYANURATE/PCT
E2	1262	POLYCYANURATE FORMED/PCT
E3	193436 -->	POLYESTER/PCT
E4	157365	POLYESTER FORMED/PCT
E5	271585	POLYETHER/PCT
E6	72783	POLYETHER FORMED/PCT
E7	3634	POLYHYDRAZIDE/PCT
E8	2815	POLYHYDRAZIDE FORMED/PCT
E9	55054	POLYIMIDE/PCT
E10	34228	POLYIMIDE FORMED/PCT
E11	5596	POLYIONENE/PCT
E12	2096	POLYIONENE FORMED/PCT

=> s e3

L1 193436 POLYESTER/PCT

=> s l1 and si/els

1242494 SI/ELS

L2 5687 L1 AND SI/ELS

=> s l2 and caprolact?

4010 CAPROLACT?

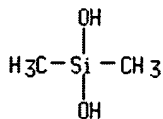
L3 50 L2 AND CAPROLACT?

=> d scan

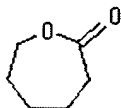
STN Columbus

L3 50 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 2-Oxepanone, polymer with dimethylsilanediol, triblock (9CI)
 MF (C6 H10 O2 . C2 H8 O2 Si)x
 CI PMS

CM 1



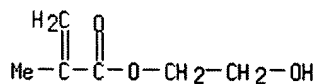
CM 2



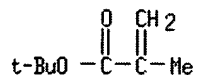
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L3 50 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 2-Propenoic acid, 2-methyl-, butyl ester, polymer with cellulose acetate,
 1,1-dimethylethyl 2-methyl-2-propenoate, ethenylbenzene,
 ethenyltriethoxysilane, 2-ethylhexyl 2-propenoate, 2-hydroxyethyl
 2-methyl-2-propenoate, methyl 2-methyl-2-propenoate, 2-oxepanone,
 oxiranylmethyl 2-methyl-2-propenoate and 2-propenoic acid (9CI)
 MF (C11 H20 O2 . C8 H18 O3 Si . C8 H14 O2 . C8 H8 . C7 H10 O3 .
 C6 H10 O3 . C6 H10 O2 . C5 H8 O2 . C3 H4 O2 . C2 H4 O2 . x Unspecified)x
 CI PMS

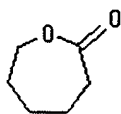
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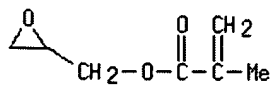
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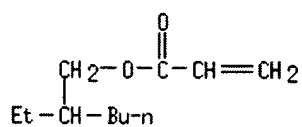
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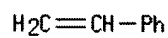
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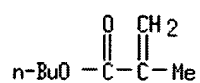
CM 5



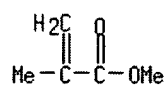
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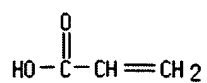
CM 7



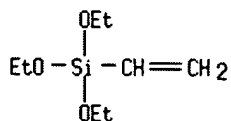
CM 8



CM 9



CM 10

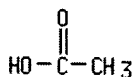


CM 11

CM 12

STRUCTURE DIAGRAM IS NOT AVAILABLE

CM 13



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1)

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *

SESSION RESUMED IN FILE 'REGISTRY' AT 11:27:52 ON 02 JUN 2006

FILE 'REGISTRY' ENTERED AT 11:27:52 ON 02 JUN 2006

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HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):end

=> d his

(FILE 'HOME' ENTERED AT 11:21:34 ON 02 JUN 2006)

FILE 'REGISTRY' ENTERED AT 11:23:11 ON 02 JUN 2006

E POLYESTER/PCT

L1 193436 S E3

L2 5687 S L1 AND SI/ELS

L3 50 S L2 AND CAPROLACT?

=> fil ca; s l3

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

20.53

21.16

FILE 'CA' ENTERED AT 11:28:17 ON 02 JUN 2006

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FILE COVERS 1907 - 1 Jun 2006 VOL 144 ISS 24

FILE LAST UPDATED: 1 Jun 2006 (20060601/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

L4 70 L3

=> s l4 and electrophotog?

67973 ELECTROPHOTOGRAPH?

L5 1 L4 AND ELECTROPHOTOGRAPH?

=> d bib

L5 ANSWER 1 OF 1 CA COPYRIGHT 2006 ACS on STN

Full Text

AN 143:396296 CA

TI Photoconductive members

IN Qi, Yu; Hu, Nan-Xing; Hor, Ah-Mee; Hsiao, Cheng-Kuo; Mcguire, Gregory; Goodbrand, H. Bruce; Vong, Cuong

PA Xerox Corporation, USA

SO U.S. Pat. Appl. Publ., 17 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 2005233235	A1	20051020	US 2004-823913	20040414
	JP 2005301287	A2	20051027	JP 2005-116224	20050413
PRAI	US 2004-823913	A	20040414		

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

3.39

24.55

FILE 'REGISTRY' ENTERED AT 11:28:41 ON 02 JUN 2006

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STRUCTURE FILE UPDATES: 1 JUN 2006 HIGHEST RN 886490-27-3

DICTIONARY FILE UPDATES: 1 JUN 2006 HIGHEST RN 886490-27-3

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TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

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conducting SmartSELECT searches.

```
*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005. A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*
*****
```

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> e caprolcatone/cn

```
E1          1      CAPROLAN B 135WP/CN
E2          1      CAPROLAN TN 65 CH 98 A-K/CN
E3          0 --> CAPROLCATONE/CN
E4          1      CAPROLCATONE-METHYLENEDIANILINE-2,4-TOLYLENE DIISOCYANATE PO
                LYMER/CN
E5          1      CAPROLEIC ACID/CN
E6          1      CAPROLENE/CN
E7          1      CAPROLIN/CN
E8          1      CAPROLISIN/CN
E9          1      CAPROLOCTONE-9,9-DIHEXYL-2,7-DIBROMOFLUORENE BLOCK COPOLYMER
                /CN
E10         1      CAPROLON B/CN
E11         1      CAPROLON V/CN
E12         1      CAPROLUPUPHENONE/CN
```

=> e caprolactone/cn

```
E1          1      CAPROLACTINE A/CN
E2          1      CAPROLACTINE B/CN
E3          1 --> CAPROLACTONE/CN
E4          1      CAPROLACTONE A/CN
E5          1      CAPROLACTONE ACRYLATE-2-ETHYLHEXYL ACRYLATE COPOLYMER/CN
E6          1      CAPROLACTONE ACRYLATE-DESMODUR W-RUCOFLEX S 105-55-TETRAETHY
                LENE GLYCOL DIACRYLATE COPOLYMER/CN
E7          1      CAPROLACTONE ACRYLATE-IPDI COPOLYMER/CN
E8          1      CAPROLACTONE ACRYLATE-TETRAETHYLENE GLYCOL DIACRYLATE-TRIPRO
                PYLENE GLYCOL MONOACRYLATE COPOLYMER/CN
E9          1      CAPROLACTONE CYCLIC DIMER/CN
E10         1      CAPROLACTONE CYCLIC HEXAMER/CN
E11         1      CAPROLACTONE CYCLIC PENTAMER/CN
E12         1      CAPROLACTONE CYCLIC TETRAMER/CN
```

=> s e3

```
L6          1 CAPROLACTONE/CN
```

=> d

```
L6  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   502-44-3  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   2-Oxepanone (8CI, 9CI)  (CA INDEX NAME)
```

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OTHER CA INDEX NAMES:

CN Hexanoic acid, 6-hydroxy-, lactone (6CI)

OTHER NAMES:

CN ϵ -Caprolactone

CN ϵ -Hexanolactone

CN 1,6-Hexanolide

CN 2-Oxooxopane

CN 6-Hexanolactone

CN 6-Hexanolide

CN 6-Hydroxyhexanoic acid lactone

CN **Caprolactone**

CN Caprolactone A

CN Epsilon-caprolactone

CN Hexamethylene oxide, 2-oxo-

CN Hexanoic acid, 6-hydroxy-, ϵ -lactone

CN Placel M

CN Tone ECEQ

CN Tone Monomer EC

FS 3D CONCORD

DR 67184-99-0, 52004-64-5, 80137-66-2

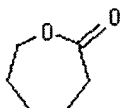
MF C6 H10 O2

CI COM

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DETHERM*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MSDS-OHS, PIRA, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2863 REFERENCES IN FILE CA (1907 TO DATE)

889 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

2868 REFERENCES IN FILE CAPLUS (1907 TO DATE)

67 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> s 502-44-3/crn

L7 6358 502-44-3/CRN

=> s l7 and si/els

1242494 SI/ELS

L8 213 L7 AND SI/ELS

=> s l8 and pms/ci

1115482 PMS/CI

L9 212 L8 AND PMS/CI

=> d his

(FILE 'HOME' ENTERED AT 11:21:34 ON 02 JUN 2006)

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FILE 'REGISTRY' ENTERED AT 11:23:11 ON 02 JUN 2006
E POLYESTER/PCT

L1 193436 S E3
L2 5687 S L1 AND SI/ELS
L3 50 S L2 AND CAPROLACT?

FILE 'CA' ENTERED AT 11:28:17 ON 02 JUN 2006

L4 70 S L3
L5 1 S L4 AND ELECTROPHOTOG?

FILE 'REGISTRY' ENTERED AT 11:28:41 ON 02 JUN 2006
E CAPROLCATONE/CN
E CAPROLACTONE/CN

L6 1 S E3
L7 6358 S 502-44-3/CRN
L8 213 S L7 AND SI/ELS
L9 212 S L8 AND PMS/CI

=> s l9 not l3

L10 167 L9 NOT L3

=> fil ca

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	17.06	41.61

FILE 'CA' ENTERED AT 11:29:58 ON 02 JUN 2006
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FILE COVERS 1907 - 1 Jun 2006 VOL 144 ISS 24
FILE LAST UPDATED: 1 Jun 2006 (20060601/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l10

L11 91 L10

=> s l11 and electrophotog?

67973 ELECTROPHOTOG?

L12 2 L11 AND ELECTROPHOTOG?

=> d his

(FILE 'HOME' ENTERED AT 11:21:34 ON 02 JUN 2006)

STN Columbus

FILE 'REGISTRY' ENTERED AT 11:23:11 ON 02 JUN 2006

E POLYESTER/PCT

L1 193436 S E3
L2 5687 S L1 AND SI/ELS
L3 50 S L2 AND CAPROLACT?

FILE 'CA' ENTERED AT 11:28:17 ON 02 JUN 2006

L4 70 S L3
L5 1 S L4 AND ELECTROPHOTOG?

FILE 'REGISTRY' ENTERED AT 11:28:41 ON 02 JUN 2006

E CAPROLCATONE/CN

E CAPROLACTONE/CN

L6 1 S E3
L7 6358 S 502-44-3/CRN
L8 213 S L7 AND SI/ELS
L9 212 S L8 AND PMS/CI
L10 167 S L9 NOT L3

FILE 'CA' ENTERED AT 11:29:58 ON 02 JUN 2006

L11 91 S L10
L12 2 S L11 AND ELECTROPHOTOG?

=> s l12 not l5

L13 2 L12 NOT L5

=> d bib hitstr 1-2

L13 ANSWER 1 OF 2 CA COPYRIGHT 2006 ACS on STN

Full Text

AN 143:106312 CA

TI **Electrophotographic** carrier coated with graft copolymer, developer containing it, and image-forming method

IN Yamaguchi, Ishi; Iida, Yoshifumi; Yoshino, Shin

PA Fuji Xerox Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 30 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2005181478	A2	20050707	JP 2003-419035	20031217
PRAI	JP 2003-419035		20031217		

IT 856864-85-2P 856864-86-3P 856864-87-4P

856864-88-5P 856864-89-6P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(**electrophotog.** carrier coated with graft copolymer)

RN 856864-85-2 CA

CN 2-Oxepanone, polymer with α -[[3-[3-hydroxy-2-(hydroxymethyl)-2-methylpropoxy]propyl]dimethylsilyl]- ω -[(trimethylsilyl)oxy]poly[oxy(dimethylsilylene)], graft (9CI) (CA INDEX NAME)

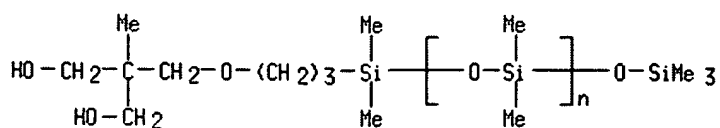
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CCI PMS

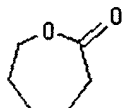
STN Columbus



CM 2

CRN 502-44-3

CMF C6 H10 O2



RN 856864-86-3 CA

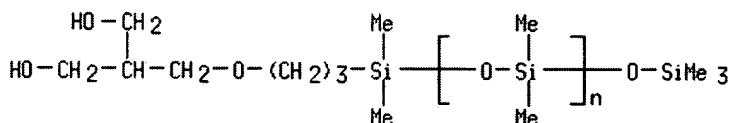
CN 2-Oxepanone, polymer with α -[[3-[3-hydroxy-2-(hydroxymethyl)propoxy]propyl]dimethylsilyl]- ω -[(trimethylsilyl)oxy]poly[oxy(dimethylsilylene)], graft (9CI) (CA INDEX NAME)

CM 1

CRN 856864-81-8

CMF (C2 H6 O Si)_n C12 H30 O4 Si2

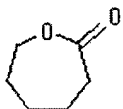
CCI PMS



CM 2

CRN 502-44-3

CMF C6 H10 O2



RN 856864-87-4 CA

CN 2-Oxepanone, polymer with α -[[3-[2-hydroxy-3-(2-hydroxypropoxy)propoxy]propyl]dimethylsilyl]- ω -[(trimethylsilyl)oxy]poly[oxy(dimethylsilylene)], graft (9CI) (CA INDEX NAME)

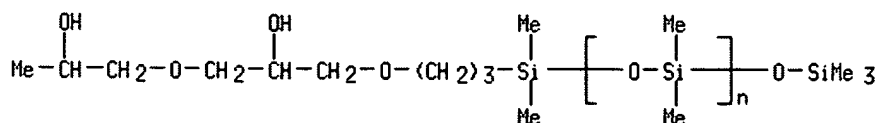
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CRN 856864-83-0

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CCI PMS

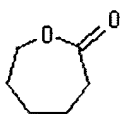
STN Columbus



CM 2

CRN 502-44-3

CMF C6 H10 O2



RN 856864-88-5 CA

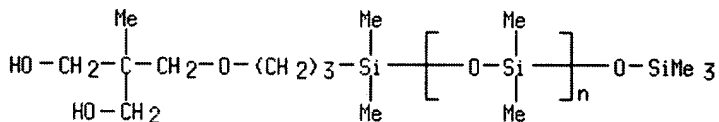
CN 2-Oxepanone, polymer with Coronate L and α -[[3-[3-hydroxy-2-(hydroxymethyl)-2-methylpropoxy]propyl]dimethylsilyl]- ω -[(trimethylsilyl)oxy]poly[oxy(dimethylsilylene)], graft (9CI) (CA INDEX NAME)

CM 1

CRN 856864-75-0

CMF (C2 H6 O Si)_n C13 H32 O4 Si2

CCI PMS



CM 2

CRN 39278-79-0

CMF Unspecified

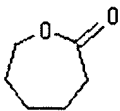
CCI PMS, MAN

STRUCTURE DIAGRAM IS NOT AVAILABLE

CM 3

CRN 502-44-3

CMF C6 H10 O2



RN 856864-89-6 CA

CN 2-Oxepanone, polymer with 1,3-diisocyanatomethylbenzene,

STN Columbus

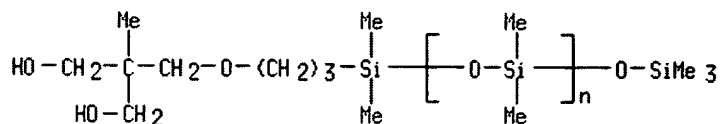
2-ethyl-2-(hydroxymethyl)-1,3-propanediol and α -[[3-[3-hydroxy-2-(hydroxymethyl)-2-methylpropoxy]propyl]dimethylsilyl]- ω -[(trimethylsilyl)oxy]poly[oxy(dimethylsilylene)], graft (9CI) (CA INDEX NAME)

CM 1

CRN 856864-75-0

CMF (C2 H6 O Si)_n C13 H32 O4 Si2

CCI PMS

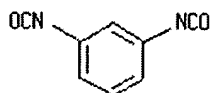


CM 2

CRN 26471-62-5

CMF C9 H6 N2 O2

CCI IDS

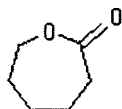


D1-Me

CM 3

CRN 502-44-3

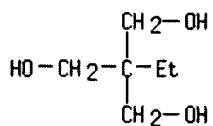
CMF C6 H10 O2



CM 4

CRN 77-99-6

CMF C6 H14 O3



STN Columbus

L13 ANSWER 2 OF 2 CA COPYRIGHT 2006 ACS on STN

Full Text

AN 134:133004 CA
 TI Polyurethane-based overcoating materials and silicone rubber materials coated with the same
 IN Yamazaki, Toshio; Minemura, Masahiko; Nakamura, Tsutomu; Hirabayashi, Sadao
 PA Shin-Etsu Chemical Industry Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 13 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001026748	A2	20010130	JP 1999-200284	19990714
PRAI	JP 1999-200284		19990714		

IT 321836-34-4P 321836-35-5P

RL: DEV (Device component use); IMF (Industrial manufacture); PRP (Properties); PREP (Preparation); USES (Uses)
 (polyurethane-based overcoating materials for silicone rubber materials)

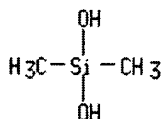
RN 321836-34-4 CA

CN 2-Oxepanone, polymer with dimethylsilanediol and 1,1'-methylenebis[4-isocyanatobenzene], block (9CI) (CA INDEX NAME)

CM 1

CRN 1066-42-8

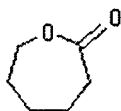
CMF C2 H8 O2 Si



CM 2

CRN 502-44-3

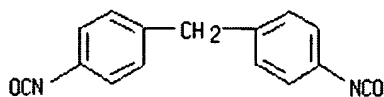
CMF C6 H10 O2



CM 3

CRN 101-68-8

CMF C15 H10 N2 O2

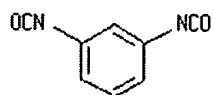


STN Columbus

RN 321836-35-5 CA
 CN 2-Oxepanone, polymer with 1,3-diisocyanatomethylbenzene,
 dimethylsilanediol, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol and
 1,1'-methylenebis[4-isocyanatobenzene], block (9CI) (CA INDEX NAME)

CM 1

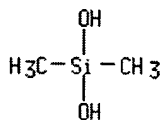
CRN 26471-62-5
 CMF C9 H6 N2 O2
 CCI IDS



D1-Me

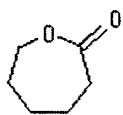
CM 2

CRN 1066-42-8
 CMF C2 H8 O2 Si



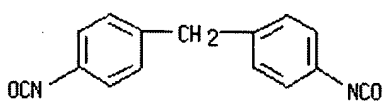
CM 3

CRN 502-44-3
 CMF C6 H10 O2



CM 4

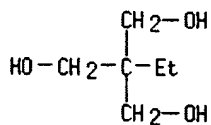
CRN 101-68-8
 CMF C15 H10 N2 O2



CM 5

STN Columbus

CRN 77-99-6
CMF C6 H14 O3



=> d kwic 2

L13 ANSWER 2 OF 2 CA COPYRIGHT 2006 ACS on STN

AB . . . (b) bifunctional isocyanates at terminal mol. ratio a/b >1.0.
Application of the materials to silicone rubber materials such as keypads, **electrophotog.** printing rolls, etc., is indicated. Thus, ethylene oxide-propylene oxide copolymer was polymd. with MDI then dild. with MIBK to give. . .

IT **Electrophotographic** apparatus
(rollers; polyurethane-based overcoating materials for silicone rubber materials)

IT 25766-14-7P, Ethylene oxide-MDI-propylene oxide copolymer
321836-34-4P 321836-35-5P

RL: DEV (Device component use); IMF (Industrial manufacture); PRP (Properties); PREP (Preparation); USES (Uses)
(polyurethane-based overcoating materials for silicone rubber materials)

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